

AMENDMENTS TO THE CLAIMS

The claims have been amended as follows:

1. (Currently Amended) A system for simplified implementation of adaptable user interfaces, the system comprising:

at least one content module that contains content, wherein the content is unformatted with respect to visual characteristics;

at least one navigation module;

a database descriptor;

a latent framework related to a data-level to an application-level relationship of the at least one content module that contains content for a type of said database descriptor including a plurality of containers configured to accept one or more modules or containers, wherein at least one of the at least one content module and the at least one navigation module are inserted into the latent framework; and

a formatting specification that includes a standardized set of flexible styles, attributes of which are set for defining a plurality of visual characteristics of the at least one content module and, the at least one navigation module, said visual characteristics instantiating and displaying at least a portion of the latent framework after at least one content module is inserted into the latent framework and at least a portion of the framework, wherein if one of said plurality of containers does not contain a module or another container after the linking between the data-level and the application-level the container shrinks thereby effectively disappearing from the instantiated framework when the user interface is displayed.

2. (Previously Presented) The system of claim 1, wherein at least one of said plurality of containers includes at least one row that includes at least one column.

3. (Previously Presented) The system of claim 1, wherein when a content module or navigation module is inserted into one of said plurality of containers, the container expands to fit the inserted content module or the inserted navigation module.

4. (Cancelled)

5. (Original) The system of claim 1, wherein the standardized set of styles is instantiated in a Cascading Style Sheet document.

6. (Previously Presented) The system of claim 1, wherein the plurality of visual characteristics are selected from: colors, heights, widths, spacing around an element, spacing within an element, background images, borders, and fonts.

7. (Original) A web-page user interface generated by the system of claim 1.

8. (Currently Amended) A method of providing at least one adaptable user interface, the method comprising:

providing a database descriptor;

providing a latent framework related to a data-level to an application-level relationship of the at least one content module that contains content for a type of said database descriptor including a plurality of containers configured to accept one or more modules or containers;

inserting at least a first content module into one of said plurality of containers;

inserting at least a first navigation module into one of said plurality of containers;

defining, by setting a first set of attributes of a standardized set of styles, a first plurality of visual characteristics of at least a portion of each of the first content module, the first navigation module, and the latent framework; and

combining the framework, including the first content module and the first navigation module, said visual characteristics instantiating and displaying at least a portion of the latent framework after at least one content module is inserted into the latent framework with the attributes of the standardized set of styles to render a first user interface, wherein if one of said plurality of containers does not contain a module or another container, after the linking between the data-level and the application-level the container shrinks thereby effectively disappearing from the framework when the rendered user interface is displayed.

9. (Original) The method of claim 8, wherein the first user interface is made to match the appearance of a first Web site.

10. (Currently Amended) The method of claim 8, further comprising:

defining, by setting a second set of attributes of the standardized set of styles, a second plurality of visual characteristics of at least a portion of at least one of the first content module, the first navigation module, and the instantiated framework; and

combining the framework, including at least one of the first content module and the first navigation module, that change at least a portion of the instantiated framework when inserted into the instantiated framework with the second plurality of visual characteristics to render a second user interface that has a different appearance than the first user interface.

11. (Currently Amended) The method of claim 8, further comprising:

inserting at least one of at least a second content module and at least a second navigation module into one of said plurality of containers in the instantiated framework;

defining, by setting a second set of attributes for the standardized set of styles, a second plurality of visual characteristics of at least a portion of each of the second content module, the second navigation module, and the instantiated framework; and

combining the instantiated framework, including at least one of the second content module and the second navigation module, that change at least a portion of the instantiated framework when inserted into the instantiated framework with the second plurality of visual characteristics to render a second user interface that has a different appearance than the first user interface.

12. (Original) The method of claim 11, wherein the first user-interface matches the appearance of a first Web site and the second user-interface matches the appearance of a second Web site.

13. (Previously Presented) The method of claim 8, wherein when at least one of a content module and a navigation module is inserted into one of said plurality of containers, the container expands to fit the inserted module.

14. (Cancelled)

15. (Original) The method of claim 8, wherein the attributes are specified in a Cascading Style Sheet document.

16. (Previously Presented) The method of claim 8, wherein the plurality of visual characteristics are selected from: colors, heights, widths, spacing around an element, spacing within an element, background images, borders, and fonts.

17. (Original) A computer-readable medium containing computer-executable instructions for performing the method of claim 8.

18. (Original) A web-page user interface generated by the method of claim 8.

19. (Currently Amended) A computer-readable medium having computer-readable modules of a user interface, the computer readable medium comprising:

at least one content module that contains content to be displayed via the user interface;

at least one navigation module;

a database descriptor;

a latent framework module related to a data-level to an application-level event of the at least one content module that contains content for a type of said database descriptor including a first table and a second table both having a plurality of containers configured to accept one or more content or navigation modules, wherein the at least one navigation module is inserted into at least one of the containers of the first table and the at least one content module is inserted into at least one of the containers of the second table; and

a standardized set of styles attributes of which are set to define a plurality of visual characteristics of at least a portion of each of: the at least one content module, the at least one navigation module, said visual characteristics instantiating and displaying at least a portion of the latent framework after at least one content module is inserted into the latent framework and the framework, wherein if one of said plurality of containers does not contain a content or navigation module after the linking between the data-level and the application-level, the container shrinks thereby effectively disappearing when the user interface is displayed.

20. (Previously Presented) The computer-readable medium of claim 19, wherein when a content module or navigation module is inserted into one of said plurality of containers, the container expands to fit the inserted content module or the inserted navigation module.

21. (Cancelled)

22. (Original) The computer-readable medium of claim 19, wherein the set of styles are specified in a Cascading Style Sheet document.

23. (Previously Presented) The computer-readable medium of claim 19, wherein the plurality of visual characteristics are selected from: colors, heights, widths, spacing around an element, spacing within an element, background images, borders, and fonts.

24. (New) A flexible framework system for adaptable database relationships between at least one content module to support user interfaces, the system comprising:

at least one navigational module;

a framework related to a data-level to an application-level relationship of the at least one content module that contains content including a plurality of containers configured to accept one or more modules or containers, wherein at least one of the at least one content module and the at least one navigation module are inserted into the latent framework and the content module that contains content is unformatted with respect to visual characteristics; and

a formatting specification that includes a standardized set of flexible styles, attributes of which are set for defining a plurality of visual characteristics of the at least one content module, and the at least one navigation module said visual characteristics instantiating and displaying at least a portion of the latent framework after at least one content module is inserted into the latent framework.

25. (New) The system of claim 1, wherein if one of said plurality of containers does not contain a module or another container after the dynamically linking between the data-level and the application-level the container shrinks thereby from the instantiated framework when the user interface is displayed.